

Recovery Plan Action Status

Plan Name: Geocarpon minimum

Plan Status: Final

Plan Date: 26-Jul-93

Lead Agency: USFWS

Lead Office: Arkansas Ecological Services Field Office

(501)

513-4470)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
No common name (Geocarpon minimum)	1	1.1	Protect populations	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, U.S. Army Corps of Engineers, Missouri Department of Conservation, Arkansas Natural Heritage Commission , Louisiana Natural Heritage Program , USFWS Regional Office 3, USFWS Regional Office 4	Acquisition: Easement, Acquisition: Fee Title, Acquisition: Management Agreement, Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Management: Predator and Competitor Control, Research: Habitat Status, Research: Population Surveys, Research: Propagation	Contract, Internal Field Assistance, Internal Technical Assistance, Species Expert	Cost estimate exclusive of land acquisition actions which will greatly increase costs for this task
No common name (Geocarpon minimum)	2	1.2.1	Search for additional populations in AR	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, Arkansas Natural Heritage Commission , USFWS Regional Office 4	Research: Population Surveys	Species Expert	
No common name (Geocarpon minimum)	3	1.2.2	Search for populations outside known range	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, Oklahoma Natural Heritage Inventory , USFWS Regional Office 2, USFWS Regional Office 4, Mississippi Natural Heritage Program, Texas Natural Heritage Program	Research: Population Surveys	Species Expert, Volunteer	\$2500/State

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No common name (Geocarpon minimum)	2	2.1.1-2.1.4	Analyze chemical and physical environment	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, Private individual or organization, USFWS Regional Office 3, USFWS Regional Office 4	Research: Habitat Requirements	Species Expert	** 'Responsible Parties' column: PVT - Private individual, university, or other research organization
No common name (Geocarpon minimum)	2	2.1.5	Investigate seed germination and phenology	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, Missouri Department of Conservation, Center for Plant Conservation, Arkansas Natural Heritage Commission , Louisiana Natural Heritage Program , Private individual or organization, USFWS Regional Office 3, USFWS Regional Office 4	Research	Contract	** 'Responsible Parties' column: PVT - Private individual, university, or other research organization
No common name (Geocarpon minimum)	2	2.1.6	Genetic analyses	Ongoing Current	FY 2009	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, Private individual or organization	Research	Species Expert	
No common name (Geocarpon minimum)	2	2.1.7	Study breeding biology, seed set and seed banking	Partially Complete	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Missouri Department of Conservation, Center for Plant Conservation, Arkansas Natural Heritage Commission , Louisiana Natural Heritage Program , Private individual or organization, USFWS Regional Office 3, USFWS Regional Office 4	Research	Contract, Graduate Student, Species Expert	** 'Responsible Parties' column: PVT - Private individual, university, or other research organization

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No common name (Geocarpon minimum)	2	3	Conduct monitoring and demographic studies	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Missouri Department of Conservation, Arkansas Natural Heritage Commission , Louisiana Natural Heritage Program , USFWS Regional Office 3, USFWS Regional Office 4	Management: Planning, Research: Demographic Studies, Research: Population Surveys	Internal Field Assistance, Internal Technical Assistance, Species Expert	
No common name (Geocarpon minimum)	3	4	Preserve genetic stock	Partially Complete	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Endangered Species Division, Center for Plant Conservation, USFWS Regional Office 3, USFWS Regional Office 4	Research: Genetics	Species Expert	One-time fee into National collection
No common name (Geocarpon minimum)	3	5	Establish population in Arkansas Valley, if necessary	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Center for Plant Conservation, Arkansas Natural Heritage Commission , USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	Cost to be determined